

#### ABSTRACT OF THE DISCLOSURE

A functioning substrate with a group of columnar micro pillars characterized in that a first matrix of organic polymer and a group of columnar micro pillars  
5 of organic polymer extending from this matrix are provided. This group of columnar micro pillars has an equivalent diameter of 10 nm through 500  $\mu\text{m}$  and a height of 50 nm through 5000  $\mu\text{m}$ ; and the ratio (H/D) of the equivalent diameter (D) to the height (H) of  
10 the group of columnar micro pillars is 4 or more.